

Appl. No.: 09/782,782
Art Unit: 3711 Docket No.: B01-07
Reply to Office Action of July 28, 2004

LISTING OF CLAIMS

1. (Currently amended) A golf ball comprising a core and a cover disposed about the core, wherein the core comprises a center and at least one outer core layer adjacent the center, and the cover comprises at least one inner cover layer and an outer cover layer;
 - (a) wherein the center has an outer diameter from ~~about~~ 0.375 in to ~~about~~ 1.4 in and deflection of greater than ~~about~~ 4.5 mm under a load of 100 Kg;
 - (b) the outer core layer has an outer diameter of from ~~about~~ 1.4 in to ~~about~~ 1.62 in;
 - (c) the inner cover layer has an outer diameter of greater than ~~about~~ 1.58 in and a material hardness of less than ~~about~~ 72 Shore D; and
 - (d) the outer cover layer has a hardness of greater than 56 Shore D;
and wherein the center has a first hardness, the outer core layer has a second hardness greater than the first, and the inner cover layer has a third hardness greater than the second.
2. (Currently amended) The golf ball of claim 1, wherein the outer cover layer has a material hardness less than ~~about~~ 55 shore D.
3. (Currently amended) The golf ball of claim 2, wherein the outer cover layer has a material hardness less than ~~about~~ 50 shore D.
4. (Currently amended) The golf ball of claim 1, wherein the inner cover layer material hardness is between ~~about~~ 60 and ~~about~~ 70 Shore D.
5. (Currently amended) The golf ball of claim 4, wherein the inner cover layer material hardness is between ~~about~~ 60 and ~~about~~ 65 Shore D.
6. (Currently amended) The golf ball of claim 1, wherein the inner cover layer outer diameter is from ~~about~~ 1.59 in to ~~about~~ 1.66 in.
7. (Currently amended) The golf ball of claim 6, wherein the inner cover layer outer diameter is from ~~about~~ 1.6 in to ~~about~~ 1.64 in.

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8. (Currently amended) The golf ball of claim 1, wherein the center outer diameter is from ~~about~~ 0.5 in to ~~about~~ 1.25 in.
9. (Currently amended) The golf ball of claim 8, wherein the center outer diameter from ~~about~~ 0.9 in to ~~about~~ 1.2 in.
10. (Currently amended) The golf ball of claim 1, wherein the outer core layer outer diameter is from ~~about~~ 1.52 in to ~~about~~ 1.59 in.
11. (Currently amended) The golf ball of claim 10, wherein the outer core layer outer diameter is from ~~about~~ 1.535 in to ~~about~~ 1.58 in.
12. (Currently amended) The golf ball of claim 1, wherein the ball has a moment of inertia of less than ~~about~~ 83 g·cm².
13. (Cancelled)
14. (Currently amended) The golf ball of claim [[13]] 1, wherein the outer cover layer has a fourth hardness less than the third hardness.
15. (Currently amended) The golf ball of claim 1, wherein the center has a first specific gravity and the outer core layer has a second specific gravity that differ by less than ~~about~~ 0.1.
16. (Original) The golf ball of claim 1, wherein the center is solid.
17. (Cancelled)
18. (Currently amended) A golf ball comprising a core and a cover disposed about the core, wherein the core comprises a solid center and an outer core layer adjacent the center, and the cover comprises an inner cover layer and an outer cover layer;

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(a) wherein the center has an outer diameter from ~~about~~ 0.375 in to ~~about~~ 1.4 in and deflection of greater than ~~about~~ 4.5 mm under a load of 100 Kg;

(b) the outer core layer has an outer diameter of from ~~about~~ 1.4 in to ~~about~~ 1.62 in;

(c) the inner cover layer has an outer diameter of greater than ~~about~~ 1.58 in and a material hardness of less than ~~about~~ 72 Shore D; and

(d) the outer cover layer has a hardness of greater than 56 Shore D;
and wherein the center has a first hardness, the outer core layer has a second hardness greater than the first, and the inner cover layer has a third hardness greater than the second.

19. (Currently amended) The golf ball of claim 18, wherein the outer cover layer has a material hardness of less than ~~about~~ 50 and a thickness of less than ~~about~~ 0.035 in.

20. (Cancelled)

21. (Currently amended) The golf ball of claim [[20]] 18, wherein the outer cover layer has a fourth hardness less than the third hardness.

22. (Currently amended) The golf ball of claim 18, wherein the inner cover layer outer diameter is from ~~about~~ 1.59 in to ~~about~~ 1.66 in.

23. (Currently amended) The golf ball of claim 22, wherein the inner cover layer outer diameter is from ~~about~~ 1.6 in to ~~about~~ 1.64 in.

24. (Currently amended) The golf ball of claim 18, wherein the center outer diameter is from ~~about~~ 0.5 in to ~~about~~ 1.25 in.

25. (Currently amended) The golf ball of claim 24, wherein the center outer diameter from ~~about~~ 0.9 in to ~~about~~ 1.2 in.

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26. (Currently amended) The golf ball of claim 18, wherein the outer core layer outer diameter is from about 1.52 in to about 1.59 in.
27. (Currently amended) The golf ball of claim 18, wherein the ball has a moment of inertia of less than about 83 g·cm².
28. (Currently amended) The golf ball of claim 18, wherein the center has a first specific gravity and the outer core layer has a second specific gravity that differ by less than about 0.1.
29. (New) A golf ball comprising a core and a cover disposed about the core, wherein the core comprises a center and at least one outer core layer adjacent the center, and the cover comprises at least one inner cover layer and an outer cover layer;
wherein the center has an outer diameter from 0.375 in to 1.4 in and deflection of greater than 4.5 mm under a load of 100 Kg;
the outer core layer has an outer diameter of from 1.4 in to 1.62 in;
the inner cover layer has an outer diameter of greater than 1.58 in and a material hardness of less than 72 Shore D; and
the outer cover layer has a hardness of greater than 56 Shore D;
and wherein the center has a first specific gravity and the outer core layer has a second specific gravity that differ by less than 0.1.